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APPLICATION NO.	F	ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/770,473	73 02/04/2004		Hul-Chun Hsu	OP-092000372	1361
46103	7590	10/17/2006		EXAMINER	
HDSL				BOCHNA, DAVID	
4331 STEVENS BATTLE LANE FAIRFAX, VA 22033			•	ART UNIT	PAPER NUMBER
				3679	
				DATE MAILED: 10/17/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/770,473	HSU, HUL-CHUN					
Office Action Summary	Examiner.	Art Unit					
	David E. Bochna	3679					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim vill apply and will expire SIX (6) MONTHS from to cause the application to become ABANDONE	I. ely filed the mailing date of this communication. O (35 U.S.C. § 133).					
Status							
Responsive to communication(s) filed on <u>04 Octoor</u> This action is FINAL . 2b)⊠ This Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. nce except for formal matters, pro						
Disposition of Claims							
4) ☐ Claim(s) 1-14 is/are pending in the application. 4a) Of the above claim(s) 7-14 is/are withdrawn 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1 and 3-6 is/are rejected. 7) ☐ Claim(s) 2 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or	from consideration.						
Application Papers							
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).					
Priority under 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:	te					

DETAILED ACTION

Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 2. Claims 1 and 3-6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Treusch et al.

In regard to claim 1, Treusch et al. discloses (fig. 10) a shrinkage-free sealing structure of a heat pipe, comprising a bulk body (see rectangular body in fig. 8) including a pressed open end with a first side (left leg of w-shaped end section) thereof being pressed towards the second side thereof (right leg of w-shaped end section), and a bent sidewall (perpendicular side wall connecting the w-shaped end section to the rectangular body) formed between the pressed open end and the bulk body; and

a double-layered structure (w-shaped end section) formed on the pressed open end, including a first and a second flattened portions (left and right leg of w-shape) connected to a third flattened portion (center section of w-shape) at two ends thereof by a bending portion respectively and the third flattened portion (center section) is bent into two portions (the inverted u-shape of the center section) to contact the first and the second flattened portions respectively (see fig. 8). Treusch et al. does not disclose that the body 20 is cylindrical, but Treusch et al. does disclose that the body could be made of other cross sectional shapes, such as an oval cross section (see col. 3, lines 16-17). It would be obvious to one of ordinary skill in the art to make

the body of Treusch et al. a cylindrical shape because a change in the shape of a prior art device is a design consideration within the skill of the art. <u>In re Dailey</u>, 357 F.2d 669, 149 USPQ 47 (CCPA 1966).

In regard to claim 3, wherein the double-layered structure has a narrow slit therein (see fig. 5).

In regard to claim 4, further comprising a covering portion sealing the narrow slit (see figs. 6-11).

In regard to claim 5, wherein the covering portion is formed by brazing, soldering or welding (see claims 3 and 5).

In regard to claim 6, wherein the double-layered structure has a W-shape cross-section (see fig. 8).

Allowable Subject Matter

3. Claim 2 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

4. Applicant's arguments have been fully considered but they are not persuasive. Applicant argues that Treusch et al. does not disclose analogous prior art. The Examiner disagrees.

Treusch et al. disclose a sealing end structure for a pipe. The intended use of the pipe is irrelevant. As both Treusch et al. and the present invention disclose similar structure on a pipe end, the Treusch et al. patent is deemed to be analogous to the disclosed invention.

Applicant argues that Treusch et al. does not disclose a pipe end form with structure

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similar to that of the claimed invention. The Examiner disagrees. Please see the rejection above for a detailed description of how Treusch et al. discloses the same end form as that recited by the Applicant in claims 1 and 3-6.

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David E. Bochna whose telephone number is (571) 272-7078. The examiner can normally be reached on 8-5:30 Monday-Thursday and every other Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Daniel P. Stodola can be reached on (571) 272-7087. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> **Primary Examiner** Art Unit 3679